

INFORMATION DISCLOSURE CITATION

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ATTY DOCKET NO.

F-5076

SERIAL NO.

Unkn

Herman et al.

FILING

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GROUP

Unknown

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
PP	4,548,605	10/22/1985	Iwamoto et al.			
	4,150,744	04/24/1979	Fennimore			
	3,876,738	04/08/1975	Marinaccion et al.			
	4,340,479	07/20/1982	Pall			
	4,473,474	09/25/1984	Ostreicher et al.			
	4,673,504	06/16/1987	Ostreicher et al.			
	4,708,803	11/24/1987	Ostreicher et al.			
	4,711,793	12/08/1987	Ostreicher et al.			
	4,900,449	02/13/1990	Kraus et al.			
	4,964,990	10/23/1990	Kraus et al.			
	5,076,935	12/31/1991	Kraus et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
PP	WO95/19199	07/20/95	PCT WIPO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

P. Ponnalun

DATE CONSIDERED

7/26/02

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PD	5,108,607	04/28/1992	Kraus et al.			
	5,536,413	07/16/1996	Bormann et al.			
	5,252,222	10/12/1993	Matkovich et al.			
	5,423,989	06/13/1995	Allen et al.			
	5,498,340	03/12/1996	Granger et al.			
	5,601,727	02/11/1997	Bormann et al.			
	5,476,587	12/19/1995	Kuroki et al.			
	5,545,339	08/13/1996	Bormann et al.			
	5,494,592	02/27/1996	Latham, Jr. et al.			
	4,925,572	05/15/1990	Pall			
	4,246,107	01/20/1981	Takenaka et al.			

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PP	5,660,731	08/26/1997	Piechocki et al.			
	5,639,376	06/17/1997	Lee et al.			
	4,701,267	10/20/1987	Watanabe et al.			
	5,102,407	04/07/1992	Carmen et al.			
	5,387,187	02/07/1995	Fell et al.			
	5,403,272	04/04/1995	Deniega et al.			
	5,607,579	03/04/1997	Latham, Jr. et al.			
	5,023,052	06/11/1991	Nagatomo et al.			
	4,985,153	01/15/1991	Kuroda et al.			
	5,498,336	03/12/1996	Katsurada et al.			
✓	5,298,165	03/29/1994	Oka et al.			

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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
pp	4,025,618	05/24/1977	Garber et al.			
	4,915,683	04/10/1990	Sieber			
	5,089,146	02/18/1992	Carmen et al.			
	5,100,564	03/31/1992	Pall et al.			
	5,229,012	07/20/1993	Pall et al.			
	5,288,403	02/22/1994	Ohno			
	5,300,019	04/05/1994	Bischof et al.			
	5,399,268	03/21/1995	Pall et al.			
	5,501,795	03/26/1996	Pall et al.			
	5,512,187	04/30/1996	Buchholz et al.			
✓	5,536,238	07/16/1996	Bischof			

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pp	5,545,516	08/13/1996	Wagner			
	5,549,834	08/27/1996	Brown			
	5,591,337	01/07/1997	Lynn et al.			
	5,290,221	03/01/1994	Wolf Jr. et al.			
	5,527,472	06/18/1996	Belloti et al.			
	4,396,382	08/1983	Goldhaber			
	4,439,179	03/1984	Lueders et al.			
	4,767,541	08/1988	Wisdom			
	4,997,577	03/1991	Stewart			
	5,092,996	03/1992	Spielberg			
	5,126,054	06/1992	Matkovich			

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Docket Number (Optional)

F-5076

Application Number

Unknown

Applicant(s)

Herman et al.

Filing Date

Herewith

Group Art Unit

Unknown

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
PP		5,128,048	07/1992	Stewart et al.			
		5,180,504	01/1993	Johnson et al.			
		5,217,627	06/1993	Pall et al.			
		5,269,946	12/1993	Goldhaber et al.			

FOREIGN PATENT DOCUMENTS

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